

Attorney Docket No. 42390.P49000

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Grochowski

Examiner: William M. Treat

Application No.: 09/884,718

Art Unit: 2183

Filed: June 18, 2001

For: METHOD AND APPARATUS  
FOR PERFORMING  
PREDICTION

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 CFR § 1.98(d)(i) copies of the references are not provided herein as copies of the references were provided in prior application 09/224,406 filed December 31, 1998..

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

  X   37 C.F.R. §1.97(b).

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       A statement pursuant to 37 C.F.R. §1.97(e) or

       A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

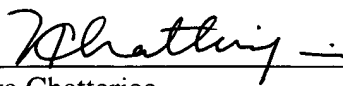
       37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

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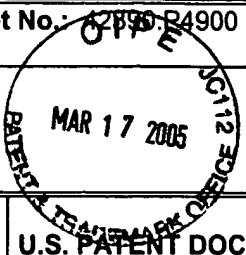
Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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Form PTO-1449 (Modified)		Atty Docket No.: 62895 R4900		Serial No.: Unknown	
List of Patents and Publications Statement (Use several sheets if necessary)				Applicant: Edward T. Grochowski et al.	
				Filing Date: June 18, 2001	



REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
Examiner Initials		Document No.		Class	Sub-Class	Filing date if appropriate
	AA	4,578,750	Amdahl et al.	364	200	
	AB	4,967,351	Zmyslowski et al.	364	200	
	AC	4,999,800	Birger	364	748	
	AD	5,471,593	Branigin	395	375	
	AE	6,021,487	Maliszewski	712	221	
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					

FOREIGN PATENT DOCUMENTS							
No.		Document No.	Date	Country	Class	Sub-Class	Translation
	AQ	EP 0 855 645 A2	7/29/98	EP	G06F	9/38	
	AR	WO 97/48042	12/18/97	PCT	G06F	9/38	
	AS	WO 98/08160	2/26/98	PCT	G06F	9/00, 9/06	
	AT	WO 99/14667	3/25/99	PCT	G06F	9/38	
	AU						

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
	AV	D. Grunwald et al., "Confidence Estimation for Speculation Control", 1998 IEEE, pp. 122 - 131.
	AW	E. Jacobsen et al., "Assigning Confidence Branch Predictions", 1996 IEEE, pp. 142 - 152.
	AX	S. Manne et al., "Pipeline Gating: Speculation Control for Energy Reduction", 1998 IEEE, pp. 132 - 141.
	AY	K.C. Tal et al., "Evaluation of a predicate-based software testing strategy", IBM Systems Journal, Vol. 33, No. 3, 1994, pp. 445-457.
	AZ	S. Mahlke et al., "Effective Compiler Support for Predicated Execution Using the Hyperblock", 1992 IEEE, pp. 45-54.

Examiner	Date Considered
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Substitute for Form 1449/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
		<b>Application Number</b>		09/884,718	
		<b>Filing Date</b>		June 18, 2001	
		<b>First Named Inventor:</b>		Edward T. Grochowski	
		<b>Art Unit</b>		2183	
		<b>Examiner Name</b>		William M. Treat	
		<b>Attorney Docket Number</b>		042390.P4900D	
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		DULONG, ET AL., "An Overview of the Intel® IA-64 Compiler", Intel Technology Journal Q4, 1999, Pages 1-15.			
		Intel® Itanium™ Architecture Software Developer's Manual, Part II: Optimization Guide for the Intel® Itanium™ Architecture, Predication, Control Flow, and Instruction Stream, Volume 1: Application Architecture, Revision 2.0, December 2001, Pages 1:129, 1:155 – 1:163.			
		Intel® Itanium™ Processor, Product Highlights, Copyright © 2001, Intel Corporation.			
		TOM R. HALFHILL, "Beyond Pentium II", BYTE.com, December 1997, Pages 1-10.			
		JIM TURLEY, "64-Bit CPUs: What you Need to Know", Extreme Tech, February 8, 2002, Pages 1-26.			
		NICHOLAS P. CARTER, ECE 412-Advanced Computer Architecture, Lecture 4: Predication, September 13, 2000, Pages 1-17.			
		AUGUST ET AL., "Architectural Support for Compiler-Synthesized Dynamic Branch Prediction Strategies: Rationale and Initial Results", Third International Symposium on High-Performance Computer Architecture, IEEE, Feb. 1-5, 1997, pp. 84-93.			
		PNEVMATIKATOS ET AL., "Guarded Execution and Branch Prediction in Dynamic ILP Processors", Proceedings of the 21 <sup>st</sup> Annual International Symposium on Computer Architecture, IEEE, pp. 120-129.			
		MAHLKE ET AL., "Characterizing the Impact of Predicated Execution Branch Prediction", Proceedings of the 27 <sup>th</sup> Annual International Symposium Microarchitecture, Micro-27, IEEE, Nov. 30-Dec. 2, 1994, pp. 217-227.			

Examiner Signature		Date Considered	
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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